

ABSTRACT

Concrete with coarse aggregate defined as enriched limestone waste of grading intermediate between the coarse and fine aggregates is characterized by specified compressive strength and modulus of rupture up to 5,000 psi and more than 750 psi, respectively, and is an enriched by-product of the manufacture of crushed limestone of regular sizes finer than 9.5 mm. and includes an amount of aggregate finer than 4.75 mm. which is close to, but not exceeding, two-thirds of the total weight of aggregate most of which is coarser than 2.36 mm., the amount of aggregate finer than 0.3 mm. not exceeding about three percent of the total weight of aggregate, concrete with this specified aggregate mixture requiring less consumption of cement and admixture than that of concrete of the same compressive strength and less flexural strength with crushed granite of regular sizes of as coarse aggregate and is much less expensive.